

Title (en)

FLUORINATED ACRYLATE BLOCK COPOLYMERS WITH LOW DYNAMIC SURFACE TENSION

Title (de)

FLUORINIERTE ACRYLAT-BLOCKCOPOLYMERE MIT GERINGER DYNAMISCHER OBERFLÄCHENSpannung

Title (fr)

COPOLYMÈRES DE BLOC D'ACRYLATE FLUORÉS AVEC UNE FAIBLE TENSION DE SURFACE DYNAMIQUE

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Application

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Abstract (en)

[origin: WO2013124421A1] The present invention relates to a composition, comprising a binder resin, a block copolymer which comprises at least a block A and a block B, wherein the block A comprises monomer units derived from a compound selected from (meth)acrylic acid, a (meth)acrylic acid ester, a (meth)acrylamide, a vinyl aromatic compound, or any mixture thereof, the block B comprises monomer units derived from a compound selected from a fluorinated (meth)acrylic ester having the following formula (I): $H_2C=C(R_1)(C(O)ORF-1)$, wherein R_1 is H or methyl; and $RF-1$ is an organic residue containing a perfluorinated C4-6 alkyl group, a fluorinated alpha-olefin having the following formula (II): $H_2C=CH(RF-2)$ (II) wherein $RF-2$ is an organic residue containing a perfluorinated C4-6 alkyl group, i.e. $-(CF_2)_3-5-CF_3$ or any mixture thereof.

IPC 8 full level

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